

Appl. No. 10/715,069
Amdt. Dated 4/28/2006
Reply to Office action of 12/1/2005 12:00:00 AM

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently Amended). A method for protecting components of a primary system of a boiling water reactor having a pressure vessel and a feedwater line opening out into the pressure vessel, the method which comprises:

providing an alcohol selected from the group consisting of methanol, ethanol, and propanol;

continuously feeding the alcohol into a primary coolant to maintain an alcohol concentration of from 0.1 to less than 10 $\mu\text{mol/kg}$ in a downcomer, the downcomer extending downward at an opening of the feedwater line, with surfaces of the components still being bright or covered only by no more than a native oxide layer.

Claim 2 (cancelled).

Claim 3 (original). The method according to claim 1, which comprises protecting the components against stress corrosion cracking.

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Claim 4 (original). The method according to claim 1, which comprises feeding the alcohol into a condensate or feedwater system and carrying the alcohol into the primary system with the feedwater.

Claim 5 (cancelled).

Claim 6 (original). The method according to claim 1, which comprises doping the component surfaces with a precious metal.

Claim 7 (original). The method according to claim 6, wherein the component surfaces are doped with platinum.

Claim 8 (New). The method according to claim 1, wherein the surfaces of the components are bright.

Claim 9 (New). The method according to claim 1, wherein the surfaces of the components are covered by a native oxide layer.